

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Agere Systems Inc.

Application No./Patent No.: 09/725,356 Filing Date: November 29, 2000

Entitled: HIGH BANDWIDTH LOW NOISE CROSS-COUPLED AMPLIFIER

Agere Systems Inc. corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

States that it is :

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_%

In the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel\_\_\_\_, Frame\_\_, or for which a copy thereof is attached.

OR

B. ☒ A Chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From Elango Pakriswamy, Jong K. Kim and Michael P. Straub To: Lucent Technologies Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 011367, Frame 0787.
2. From Lucent Technologies Inc. To: Agere Systems Guardian Corp.  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From Agere Systems Guardian Corp. To: Agere Systems Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

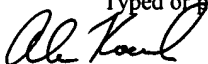
☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[Note: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

9/13/04  
Date

Alan M. Koenck  
Typed or printed name  
  
Signature  
Attorney of Record  
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent And Trademark Office, Washington, D. C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D. C. 202 31.

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**Agere Systems Guardian Corp.  
(a Delaware corporation)**

**INTO**

**Agere Systems Inc.  
(a Delaware corporation)**

**UNDER SECTION 253 OF THE GENERAL  
CORPORATION LAW OF THE STATE OF DELAWARE**

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), **DOES HEREBY CERTIFY:**

**FIRST:** The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

**SECOND:** On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

**RESOLVED** that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

**THIRD:** That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

**AGERE SYSTEMS INC.**

By Paul Bento  
Paul Bento, Vice President

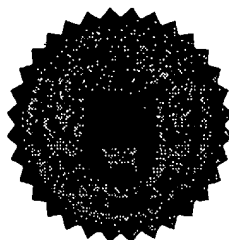
## *The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION,  
WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02

**EXECUTION COPY**

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**PATENT ASSIGNMENT**

**by and between**

**LUCENT TECHNOLOGIES INC.**

**and**

**AGERE SYSTEMS GUARDIAN CORP.**

**Dated as of January 30, 2001**

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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

### RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).


ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

LUCENT TECHNOLOGIES INC.

By:   
Daniel P. McCurdy  
President, Intellectual Property Business

AGERE SYSTEMS GUARDIAN CORP.

By:   
Fred M. Romano  
President

**APPENDIX B (continued)**  
**Transferred Patents (patent disclosures)**

<b>IDS No.</b>	<b>Inventors</b>	<b>Subject Matter</b>
Dagdeviren 19	Nuri R Dagdeviren, BL0314600	System And Method For Compensating For CODEC DC Offset Through A DC Blocking Channel And Model Incorporating The Same
Daugherty 5-1-9-4-6	Dwight D Daugherty, 538470000; Kenneth D Gaynor, 538470000; Johannes G Ransin, 538470000; Gregory C Salvador, 50M725000; James D Yoder, 538470000	Output Buffer With Active Load Matching
Diodato 8-35-22	Philip W Diodato, BL0111240; Chun-Ting Liu, BL0111240; Ruichen Liu, BL0111260	Inter-Wiring-Layer Capacitors
Dogariu 1-93	Aristide Dogariu, OUTSIDE; William G Easter, 538115000	In-situ Optical Monitoring Of CMP Pads
Dogariu 2-96	Aristide Dogariu, OUTSIDE; William G Easter, 538115000	In-situ Optical Monitoring Of CMP Pads
Doshi 41-43-9-4-3	Doshi, Bharat Tarachand ,BL0314500, Dravida, Subrahmanyam ,BL0314500, Hernandez-Valencia, Enrique ,BL0314500, Matragi, Wassim A. ,BL0314500, Qureshi, Muhammad A ,BL0314500,	Framing In Simplified Data Link (SDL)
Downey 12-1-13-17	Stephen W Downey, 538112000; Paul B Murphey, 538112000; Thomas M Wolf, 538112000; Allen Yen, 538112000	A Method For Avoiding The Notching In Metal Etch
Du 1	Du, Junchen ,50M331200.	An Optimal Fixed-Point Structure for the Cascaded Biquad HR Filter Implementation on StarCore SC140
Dunlop 13-6	Alfred E Dunlop, BL01131G0; Wilhelm C Fischer, BL01131G0	Gated Clock Recovery
Dziong 4-28	Zbigniew M Dziong, BL0314500; Yung-Terng Wang, BL0314500	Architecture And Performance Of A Multi-Tbps Protocol Independent Switching Fabric
Easter 99-77-38	Easter, William Graham ,538115000, Maze, John Albert ,55K12M000, Obeng, Yaw Samuel ,538162000,	Differential Temperature Control In Chemical Mechanical Polishing Processes
Elango 1-1-1	Pakriswamy Elango, 50N762000; Jong K Kim, 50N762000; Michael P Straub, 50N762000	High BW Low Noise Cross Coupled Amplifier
Elko 16-30-14-42	Elko, Gary Wayne ,BL0113320, Nalwa, Vishvijit Singh ,BL0113370, Ninke, William Herbert ,BL011250, West, James Edward ,BL0113320,	Electronically Steerable Audio-Visual System
Etter 4	Etter, Walter ,BL0314100,	A Noise Adaptive Compander For Telephone Sets Designed To Preserve Intelligibility In Non-Stationary Near-And-Far-End Background Noise
Farrow 38	Farrow, Cecil ,BL0314200,	Equalizer Tracking Filter
Farrow 5-12-23-1	Farrow, Reginald Conway ,BL0111220, Liddle, James Alexander ,BL0111220, Novembre, Anthony Edward ,BL0111220, Ocola, Leonidas Ernesto ,BL0111220,	A Method For Controlling Pattern Registration In An Electron Beam Lithography Tool
Farrow 7-55	Farrow, Reginald Conway ,BL0111220, Kizilyalli, Isik C. ,5381C1000,	A Process For Fabricating A Semiconductor Device
Fetter 10-56-6	Linus A Fetter, BL0111130; Yiu-Huen Wong, BL0111770; Michael G	Mounting Techniques For The Reduction Of Parasitics In Electronic Devices



ACKNOWLEDGMENTS

STATE OF NEW JERSEY )

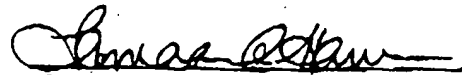
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COUNTY OF SOMERSET )

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and

b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name

TAMORA ANNE HANNA

Notary Public

Notary Public of New Jersey

My Commission Expires

Registered in Hunterdon County

[Notarial Seal]

My Commission Expires March 25, 2002

STATE OF FLORIDA )

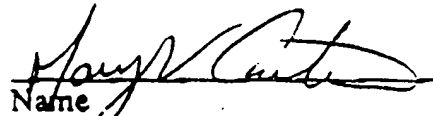
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COUNTY OF ORANGE )

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp.; and

b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name

Notary Public

My Commission Expires:

[Notarial Seal]

